			Leu					Lys					Val		GAG Glu	3024
5		Asn					Leu					Trp			GAA Glu	3072
10	Ser					Val					Gly				CGT Arg 1040	3120
15					Glu	GGA Gly				Gly					His	3168
				Asn		GAC Asp			Lys					Val		3216
20 0 0 10 125			Tyr			AAC Asn		Val					Tyr			3264
25		Glu				GGT Gly 1095	Thr					Asn				3312
30	Glu					AAC Asn					Ala					3360
					Ser	TAT Tyr				Arg					Cys	3408
				Gly		GGG Gly			Thr					Gly		3456
40			Asp			TAC Tyr		Pro					Val			3504
45		Gly				GGA Gly 1175	Thr					Ser				3552
50	Leu	ATG Met														3567

<sup>(2)</sup> INFORMATION FOR SEQ ID NO:12:

5	(A) LENGTH: 1189 amino acids (B) TYPE: amino acid (D) TOPOLOGY: linear															
		(	(ii)	MOLE	CULE	TYE	E: p	rote	in							
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:															
	Met 1		Glu	Asn	Asn 5		Asn	Gln	Cys	Ile 10		Tyr	Asn	Суз	Leu 15	Ser
15	Asn	Pro	Glu	Glu 20	Val	Leu	Leu	Asp	Gly 25	Glu	Arg	Ile	Ser	Thr 30	Gly	Asn
	Ser	Ser	Ile 35	Asp	Ile	Ser	Leu	Ser 40	Leu	Val	Gln	Phe	Leu 45	Val	Ser	Asn
	Phe	Val 50	Pro	Gly	Gly	Gly	Phe 55	Leu	Val	Gly	Leu	Ile 60	Asp	Phe	Val	Trp
	Gly 65	Ile	Val	Gly	Pro	Ser 70	Gln	Trp	Asp	Ala	Phe 75	Leu	Val	Gln	Ile	Glu 80
	Gln	Leu	Ile	Asn	Glu 85	Arg	Ile	Ala	Glu	Phe 90	Ala	Arg	Asn	Ala	Ala 95	Ile
<b>30</b>	Ala	Asn	Leu	Glu 100	Gly	Leu	Gly	Asn	Asn 105	Phe	Asn	Ile	Tyr	Val 110	Glu	Ala
	Phe	Lys	Glu 115	Trp	Glu	Glu	Asp	Pro 120	His	Asn	Pro	Ala	Thr 125	Arg	Thr	Arg
5-5 1-1	Val	Ile 130	Asp	Arg	Phe	Arg	Ile 135	Leu	Asp	Gly	Leu	Leu 140	Glu	Arg	Asp	Ile
40	Pro 145	Ser	Phe	Arg		Ser 150	Gly	Phe	Glu	Val	Pro 155	Leu	Leu	Ser	Val	Tyr 160
	Ala	Gln	Ala		Asn 165	Leu	His	Leu	Ala	Ile 170	Leu	Arg	Asp	Ser	Val 175	Ile
45	Phe	Gly		Arg 180	Trp	Gly	Leu		Thr 185	Ile	Asn	Val	Asn	Glu 190	Asn	Tyr
	Asn		Leu 195	Ile	Arg	His	Ile	Asp 200	Glu	Tyr	Ala		His 205	Cys	Ala	Asn
50	Thr	Tyr 210	Asn	Arg	Gly		Asn 215	Asn	Leu	Pro		Ser 220	Thr	Tyr	Gln	Asp
	Trp 225	Ile	Thr	Tyr		Arg 230	Leu	Arg	Arg	Asp	Leu 235	Thr	Leu	Thr	Val	Leu 240

(i) SEQUENCE CHARACTERISTICS:

	Asp	Ile	Ala	Ala	Phe 245		Pro	Asn	Tyr	Asp 250		Arg	Arg	Tyr	Pro 255	Ile	
5	Gln	Pro	Val	Gly 260		Leu	Thr	Arg	Glu 265		Tyr	Thr	Asp	Pro 270	Leu	Ile	
10	Asn	Phe	Asn 275	Pro	Gln	Leu	Gln	Ser 280	Val	Ala	Gln	Leu	Pro 285	Thr	Phe	Asn	
	Val	Met 290	Glu	Ser	Ser	Ala	Ile 295	Arg	Asn	Pro	His	Leu 300	Phe	Asp	Ile	Leu	
. 15	Asn 305	Asn	Leu	Thr	Ile	Phe 310	Thr	Asp	Trp	Phe	Ser 315	Val	Gly	Arg	Asn	Phe 320	
	Tyr	Trp	Gly	Gly	His 325	Arg	Val	Ile	Ser	Ser 330	Leu	Ile	Gly	Gly	Gly 335	Asn	
<b>20</b>	Ile	Thr	Ser	Pro 340	Ile	Tyr	Gly	Arg	Glu 345	Ala	Asn	Gln	Glu	Pro 350	Pro	Arg	
	Ser	Phe	Thr 355	Phe	Asn	Gly	Pro	Val 360	Phe	Arg	Thr	Leu	Ser 365	Asn	Pro	Thr	
M. Terms Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Times Time Times Times Times Times Times Times Times Times Times Times Time	Leu	Arg 370	Leu	Leu	Gln	Gln	Pro 375	Trp	Pro	Ala	Pro	Pro 380	Phe	Asn	Leu	Arg	
	Gly 385	Val	Glu	Gly	Val	Glu 390	Phe	Ser	Thr	Pro	Thr 395	Asn	Ser	Phe	Thr	Tyr 400	
	Arg	Gly	Arg	Gly	Thr 405	Val	qaA	Ser	Leu	Thr 410	Glu	Leu	Pro	Pro	Glu 415	Asp	
	Asn	Ser	Val	Pro 420	Pro	Arg	Glu	Gly	Tyr 425	Ser	His	Arg	Leu	Cys 430	His	Ala	
40	Thr	Phe	Val 435	Gln	Arg	Ser	Gly	Thr 440	Pro	Phe	Leu	Thr	Thr 445	Gly	Val	Val	
	Phe	Ser 450	Trp	Thr	His	Arg	Ser 455	Ala	Thr	Leu	Thr	Asn 460	Thr	Ile	Asp	Pro	
45	Glu 465	Arg	Ile	Asn	Gln	Ile 470	Pro	Leu	Val	Lys	Gly 475	Phe	Arg	Val	Trp	Gly 480	
	Gly	Thr	Ser	Val	Ile 485	Thr	Gly	Pro	Gly	Phe 490	Thr	Gly	Gly	Asp	Ile 495	Leu	
50	Arg	Arg	Asn	Thr 500	Phe	Gly	Asp	Phe	Val 505	Ser	Leu	Gln	Val	Asn 510	Ile	Asn	
	Ser	Pro	Ile 515	Thr	Gln	Arg	Tyr	Arg 520	Leu	Arg	Phe	Arg	Tyr 525	Ala	Ser	Ser	